

PATENT ABSTRACTS OF JAPAN

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(54) FILMY RAW MATERIAL

(57)Abstract:

PURPOSE: To obtain a functional filmy raw material having excellent mechanical strength and dimensional stability and suitable for the treatment of various liquid and gas, by uniformly attaching and integrating a perfluorinated ion exchange resin to a porous film of polytetrafluoroethylene.

CONSTITUTION: A perfluorinated ion exchange resin is uniformly attached and integrated to a porous film of polytetrafluoroethylene e.g. by impregnating perfluorinated ion exchange resin liquid in a porous film of polytetrafluoroethylene (having a porosity of $\geq 35\%$, especially $\geq 40\%$). The weight ratio of impregnated ion exchange resin to the porous film is 3W90%, especially 10W30%. The whole film can be imparted with hydrophilic property or both hydrophobic and hydrophilic properties by proper selection of the production process.